

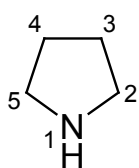


Short Guide to Heterocycles

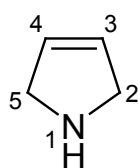
[Acridine](#)[Adenine](#)[Azepine](#)[Azole](#)[2H-Azole](#)[3H-Azole](#)[Benzimidazole](#)[Benzisoxazole](#)[2,1-Benzisoxazole](#)[Benzofuran](#)[2H-1-Benzopyran](#)[2H-1-Benzopyran-2-one](#)[4H-1-Benzopyran-4-one](#)[1H-2-Benzopyran-1-one](#)[3H-2-Benzopyran-3-one](#)[Benzothiazole](#)[Benzo\[b\]thiophene](#)[Benzo\[c\]thiophene](#)[1H-2,3-Benzoxazine](#)[2H-1,3-Benzoxazine](#)[2H-1,4-Benzoxazine](#)[4H-1,4-Benzoxazine](#)[4H-3,1-Benzoxazine](#)[2H-1,2,4-Benzoxadiazine](#)[Benzoxazole](#)[Carbazole](#)[Carbolines](#) [\$\alpha\$ -Carboline](#) [\$\beta\$ -Carboline](#) [\$\gamma\$ -Carboline](#) [\$\delta\$ -Carboline](#)[2H-Chromene](#)[Chromen-4-one](#)[Cinnoline](#)[Coumaran](#)[Coumarin](#)[Cyclopenta\[b\]pyridine](#)[7-Deazapurine](#)[7-Deaza-8-azapurine](#)[9-Deazapurine](#)[4H-1,2-Diazepine](#)[1,2-Diazole](#)[1,3-Diazole](#)[1,4-Dioxane](#)[3H-1,2,3-Dioxazole](#)[1,2,4-Dioxazole](#)[1,3,2-Dioxazole](#)[2H-1,3,4-Dioxazole](#)[1,2-Dioxin](#)[1,3-Dioxin](#)[1,3-Dioxolane](#)[1,3-Dithiane](#)[1,4-Dithiane](#)[2H-1,3-Dithiole](#)[3H-1,2-Dithiole](#)[Furan](#)[Furazan](#)[Guanine](#)[Hipoxanthine](#)[Imidazolidine](#)

<u>1H-Imidazole</u>	<u>1,2,3,5-Oxatriazole</u>
<u>2H-Imidazole</u>	<u>5-Oxazolone</u>
<u>2-Imidazoline</u>	<u>5H-1,2,5-Oxathiazole</u>
<u>Imidazoline-2-thione</u>	<u>1,3-Oxathiole</u>
<u>Imidazo[1,5-a]pyrimidine</u>	<u>2H-1,2-Oxazine</u>
<u>1H-Indazole</u>	<u>2H-1,3-Oxazine</u>
<u>Indole</u>	<u>2H-1,4-Oxazine</u>
<u>3H-Indole</u>	<u>4H-1,2-Oxazine</u>
<u>Indoline</u>	<u>4H-1,4-Oxazine</u>
<u>Indoxazine</u>	<u>6H-1,2-Oxazine</u>
<u>Isobenzofuran</u>	<u>6H-1,3-Oxazine</u>
<u>Isochromen-3-one</u>	<u>1,2,5-Oxathiazine</u>
<u>Isocoumarin</u>	<u>1,2,6-Oxathiazine</u>
<u>1H-Isoindole</u>	<u>1,2,4-Oxadiazine</u>
<u>Isoquinoline</u>	<u>1,3,5-Oxadiazine</u>
<u>Isothiazole</u>	<u>Oxepin</u>
<u>Isoxazole</u>	
<u>Morpholine</u>	<u>Phenazine</u>
	<u>Phenothiazine</u>
	<u>Phthalazine</u>
	<u>Piperazine</u>
<u>1,5-Naphthyridine</u>	<u>Piperidine</u>
<u>1,6-Naphthyridine</u>	<u>Pteridine</u>
<u>1,7-Naphthyridine</u>	<u>Purine</u>
<u>1,8-Naphthyridine</u>	<u>2H-Pyran</u>
	<u>2H-Pyran-2-one</u>
<u>3H-1,2-Oxathiole</u>	<u>4H-Pyran-4-one</u>
<u>Oxazole</u>	<u>Pyrano[3,4-<i>b</i>]pyrrole</u>
<u>1,2-Oxazole</u>	<u>Pyrazine</u>
<u>1,3-Oxazole</u>	<u>Pyrazole</u>
<u>1,2,3-Oxadiazole</u>	<u>Pyrazolidine</u>
<u>1,2,4-Oxadiazole</u>	<u>2-Pyrazoline</u>
<u>1,2,5-Oxadiazole</u>	<u>Pyrazolo[1,5-<i>a</i>]pyrimidine</u>
<u>1,3,4-Oxadiazole</u>	<u>1H-Pyrazolo[3,4-<i>c</i>]pyrimidine</u>
<u>1,2,3,4-Oxatriazole</u>	<u>Pyridazine</u>
	<u>Pyridine</u>

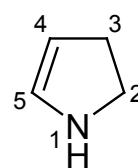
[Pyrimidine](#)[2-Pyrone](#)[4-Pyrone](#)[Pyrrole](#)[2H-Pyrrole](#)[3H-Pyrrole](#)[Pyrrolidine](#)[2-Pyrroline](#)[3-Pyrroline](#)[5H-pyrrolo\[3,2-*d*\]pyrimidine](#)[7H-pyrrolo\[2,3-*d*\]pyrimidine](#)[1,3,5-Trithiane](#)[Thiepin](#)[Thymine](#)[Uracil](#)[Xanthene](#)[Xanthine](#)[Quinazoline](#)[Quinoline](#)[4H-Quinolizine](#)[Quinoxaline](#)[Quinuclidine](#)[Tetrahydrofuran](#)[Tetrahydrothiophene](#)[Thiophene](#)[1,2,3-Triazole](#)[1,2,4-Triazole](#)[2-Thiazoline](#)[Thiazole](#)[1,3-Thiazole](#)[1,2-Thiazole](#)[1,3,4-Thiadiazole](#)[1,3,5-Triazine](#)[s-Triazine](#)[1,2,4-Triazine](#)[as-Triazine](#)[1,2,3-Triazine](#)[v-Triazine](#)[Thiomorpholine](#)



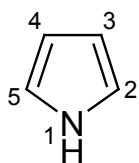
Pyrrolidine



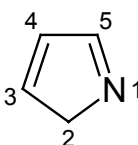
3-Pyrroline



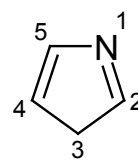
2-Pyrroline



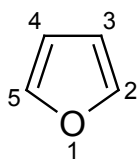
Pyrrole
(Azole)



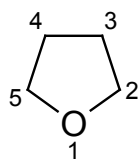
2H-Pyrrole
(2-Azole)



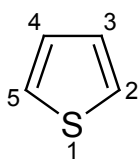
3H-Pyrrole
(3-Azole)



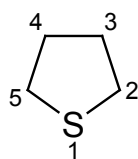
Furan



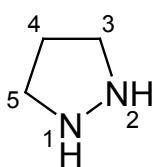
Tetrahydrofuran



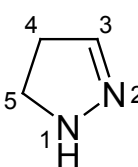
Thiophene



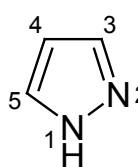
Tetrahydrothiophene



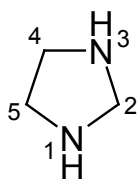
Pyrazolidine



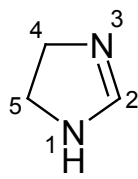
2-Pyrazoline



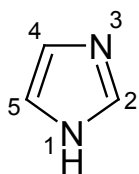
Pyrazole
(1,2-Diazole)



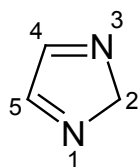
Imidazolidine



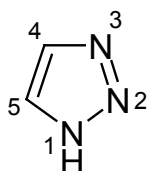
2-Imidazolidine



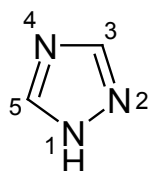
1*H*-Imidazole



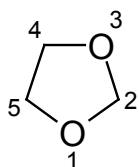
2*H*-Imidazole
(1,3-Diazole)



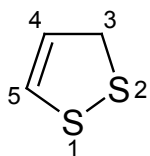
1,2,3-Triazole



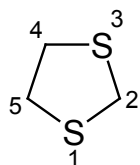
1,2,4-Triazole



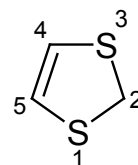
1,3-Dioxolane



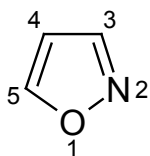
3*H*-1,2-Dithiole



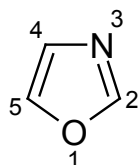
1,3-Dithiolane



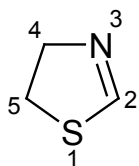
2*H*-1,3-Dithiole



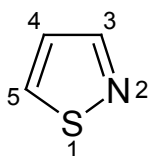
Isoxazole
(1,2-Oxazole)



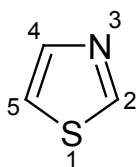
Oxazole
(1,3-Oxazole)



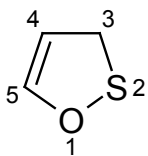
2-Thiazoline



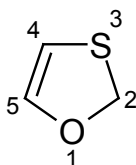
Isothiazole
(1,2-Thiazole)



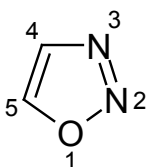
Thiazole
(1,3-Thiazole)



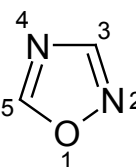
3H-1,2-Oxathiole



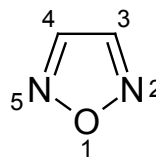
1,3-Oxathiole



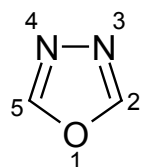
1,2,3-Oxadiazole



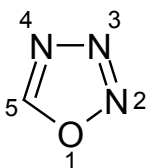
1,2,4-Oxadiazole



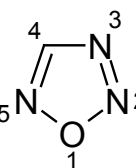
1,2,5-Oxadiazole
(Furazan)



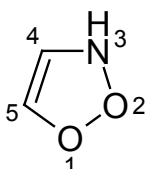
1,3,4-Oxadiazole



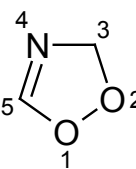
1,2,3,4-Oxatriazole



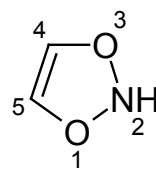
1,2,3,5-Oxatriazole



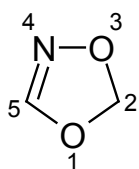
3H-1,2,3-Dioxazole



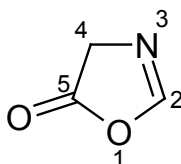
1,2,4-Dioxazole



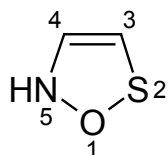
1,3,2-Dioxazole



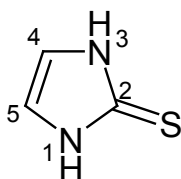
2*H*-1,3,4-Dioxazole



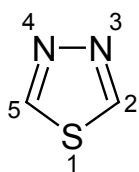
5-Oxazolone



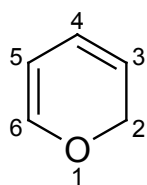
5*H*-1,2,5-Oxathiazole



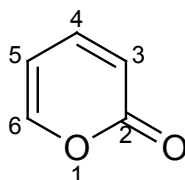
Imidazoline-2-thione



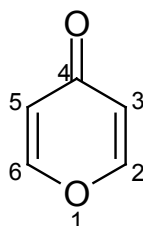
1,3,4-Thiadiazole



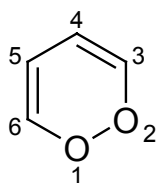
2H-Pyran



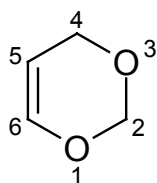
2H-Pyran-2-one
(2-Pyrone)



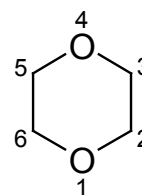
4H-Pyran-4-one
(4-Pyrone)



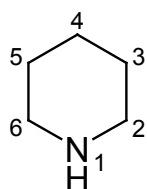
1,2-Dioxine



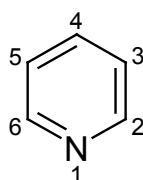
4H-1,3-Dioxine



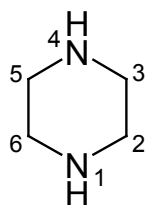
1,4-Dioxane



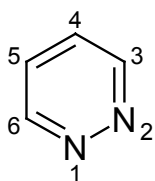
Piperidine



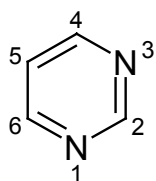
Pyridine



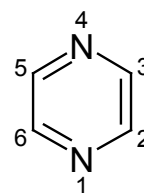
Piperazine



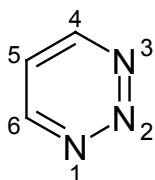
Pyridazine



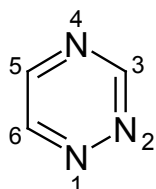
Pyrimidine



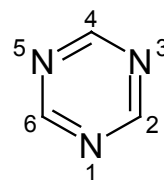
Pyrazine



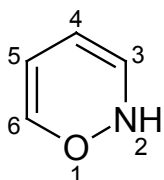
1,2,3-Triazine
(v-Triazine)



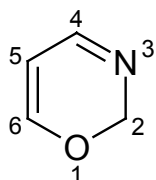
1,2,4-Triazine
(as-Triazine)



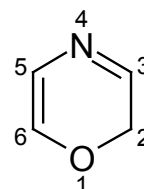
1,3,5-Triazine
(s-Triazine)



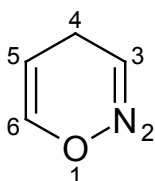
2H-1,2- Oxazine



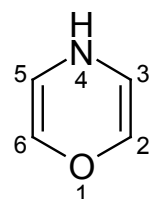
2H-1,3- Oxazine



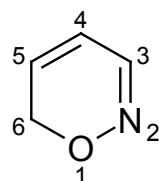
2H-1,4- Oxazine



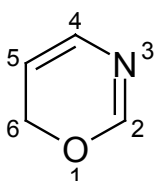
4H-1,2-Oxazine



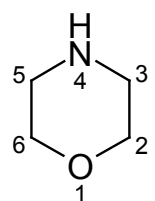
4H-1,4-Oxazine



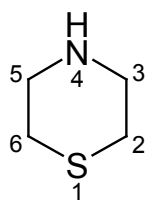
6H-1,2-Oxazine



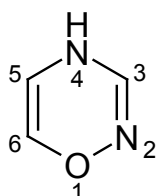
6H-1,3-Oxazine



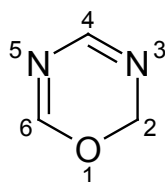
Morpholine



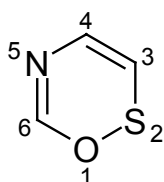
Thiomorpholine



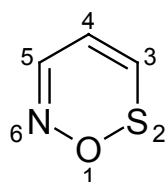
1,2,4-Oxadiazine



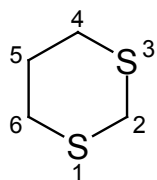
1,3,5-Oxadiazine



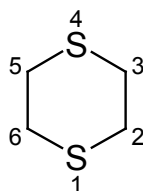
1,2,5-Oxathiazine



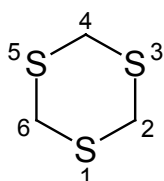
1,2,6-Oxathiazine



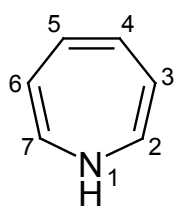
1,3-Dithiane



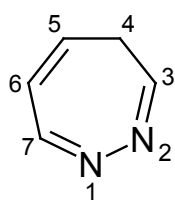
1,4-Dithiane



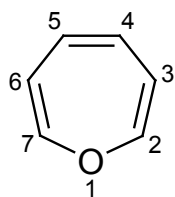
1,3,5-Trithiane



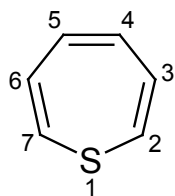
Azepine



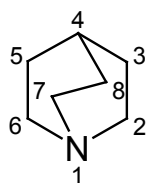
4*H*-1,2-Diazepine



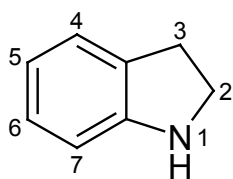
Oxepin



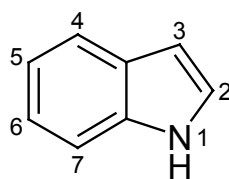
Thiepin



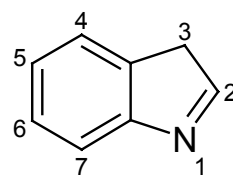
Quinuclidine



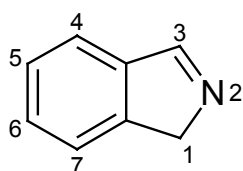
Indoline



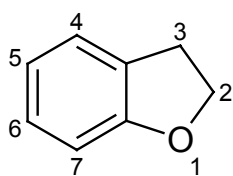
1H-Indole



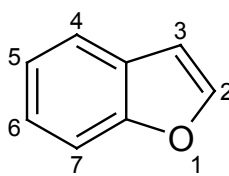
3H-Indole



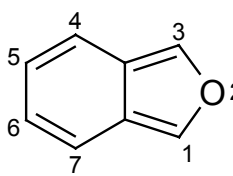
1H-Isoindole



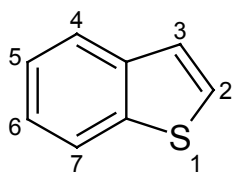
Coumaran



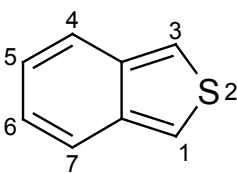
Benzofuran



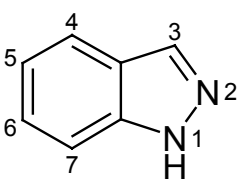
Benzo[c]furan



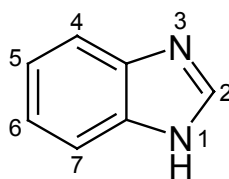
Benzo[b]thiophene



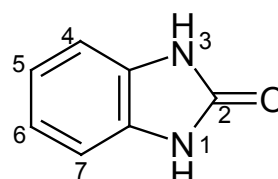
Benzo[c]thiophene



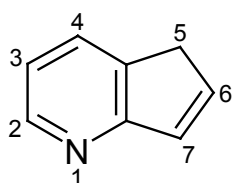
1H-Indazole



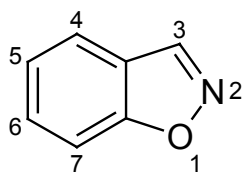
Benzimidazole



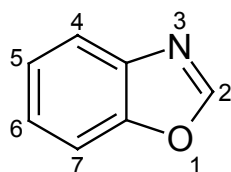
1,3-dihydro-2H-benzimidazol-2-one



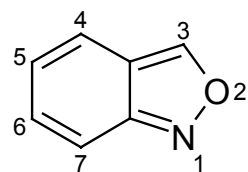
Cyclopenta[b]pyridine



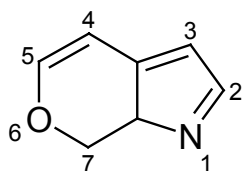
Benzisoxazole
(Indoxazine)



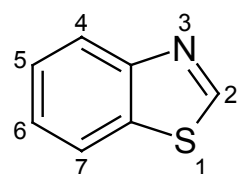
Benzoxazole



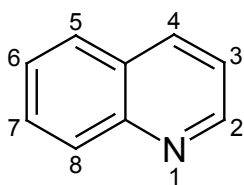
2,1-Benzisoxazole



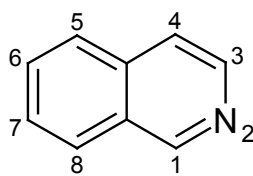
Pyrano[3,4-*b*]pyrrole



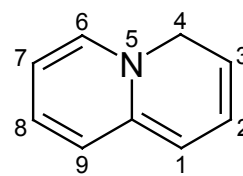
Benzothiazole



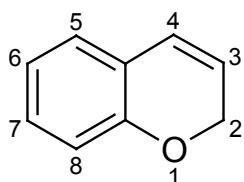
Quinoline



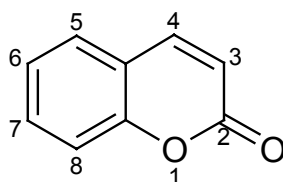
Isoquinoline



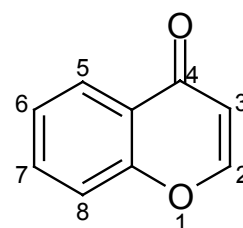
4H-Quinolizine



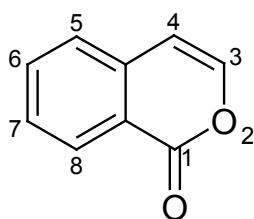
2H-1-Benzopyran
(2-Chromene)



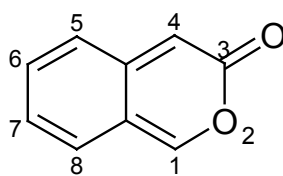
2H-1-Benzopyran-2-one
(Coumarin)



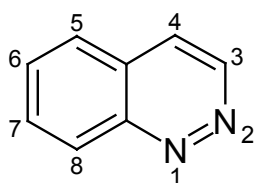
4H-1-Benzopyran-4-one
(Chromen-4-one)



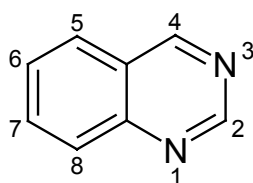
1H-2-Benzopyran-1-one
(Isocoumarin)



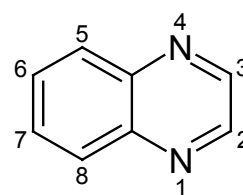
3H-2-Benzopyran-3-one
(Isochromen-3-one)



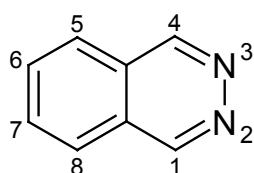
Cinnoline



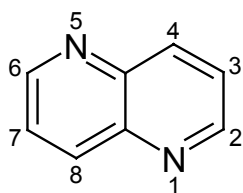
Quinazoline



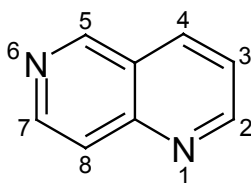
Quinoxaline



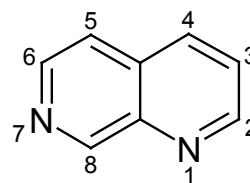
Phthalazine



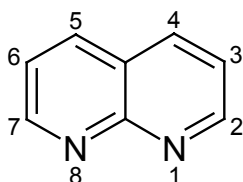
1,5-Naphthyridine



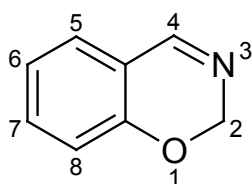
1,6-Naphthyridine



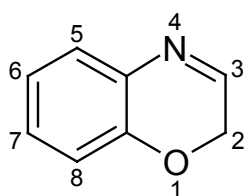
1,7-Naphthyridine



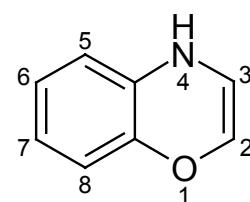
1,8-Naphthyridine



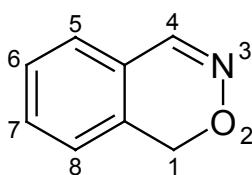
2H-1,3-Benzoxazine



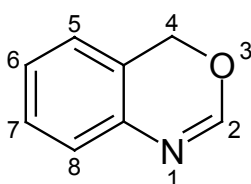
2H-1,4-Benzoxazine



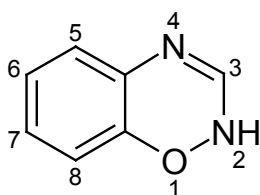
4H-1,4-Benzoxazine



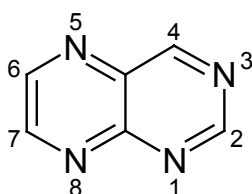
1H-2,3-Benzoxazine



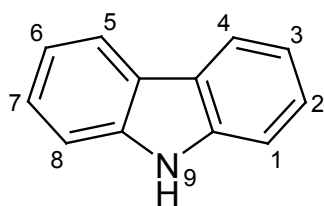
4H-3,1-Benzoxazine



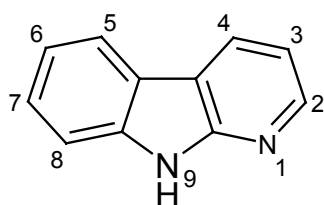
2H-1,2,4-benzoxadiazine



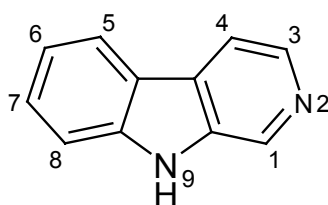
Pteridine



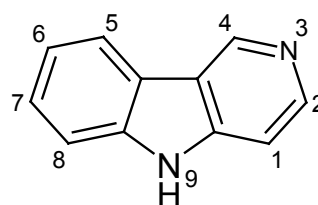
Carbazole



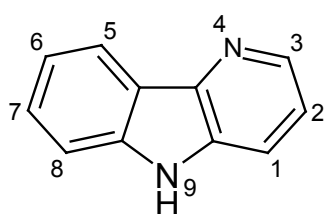
α -Carboline



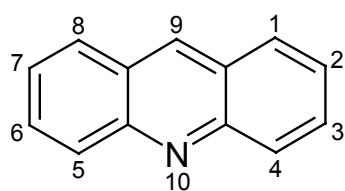
β -Carboline



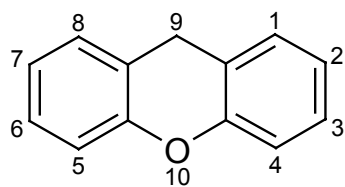
γ -Carboline



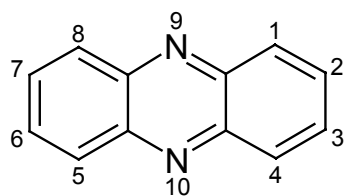
δ -Carboline



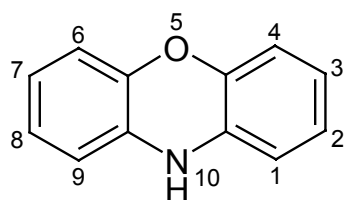
Acridine



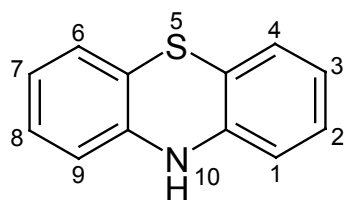
Xanthene



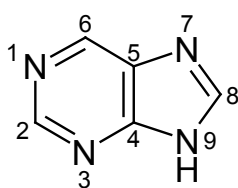
Phenazine



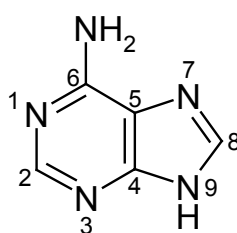
Phenoxazine



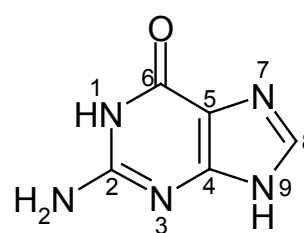
Phenothiazine



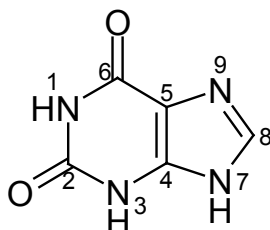
Purine



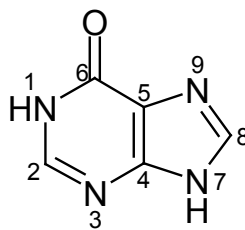
Adenine



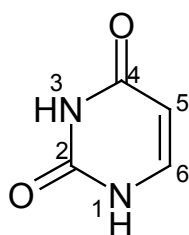
Guanine



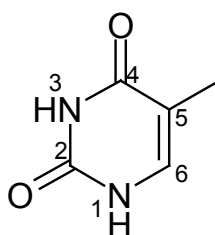
Xanthine



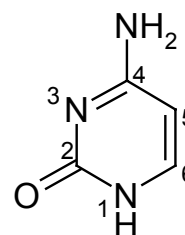
Hypoxanthine



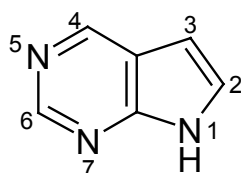
Uracil



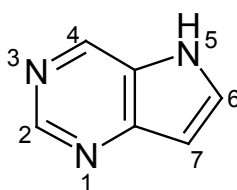
Thymine



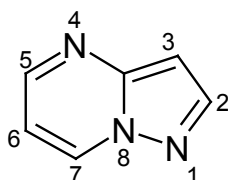
Cytosine



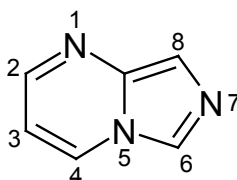
7H-Pyrrolo[2,3-*d*]pyrimidine
(7-Deazapurine)



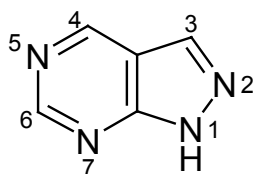
5H-Pyrrolo[3,2-*d*]pyrimidine
(9-Deazapurine)



Pyrazolo[1,5-*a*]pyrimidine



Imidazo[1,5-*a*]pyrimidine



1*H*-Pyrazolo[3,4-*d*]pyrimidine
(7-Deaza-8-azapurine)